

INK SUPPLY SYSTEM AND METHOD OF SUPPLYING INK

ABSTRACT

A closed ink supply system wherein air is sealed outside the system and not
5 allowed to flow into components of the system may include an ink source. A first ink
sub-reservoir may also be included that comprises a first top fluid surface at a first
sub-reservoir fluid height, a first sub-reservoir ink inlet fluidly connected to the ink
source, and a first sub-reservoir outlet and a second sub-reservoir outlet that is above
the first sub-reservoir outlet. A print head may also be included that comprises a first
10 print head portion fluidly connected to the first sub-reservoir outlet, and a second
print head portion fluidly connected to the second sub-reservoir outlet. The second
print head portion may be above the first print head portion, whereby a first pressure
at the first print head portion is substantially equal to a second pressure at the second
print head portion.